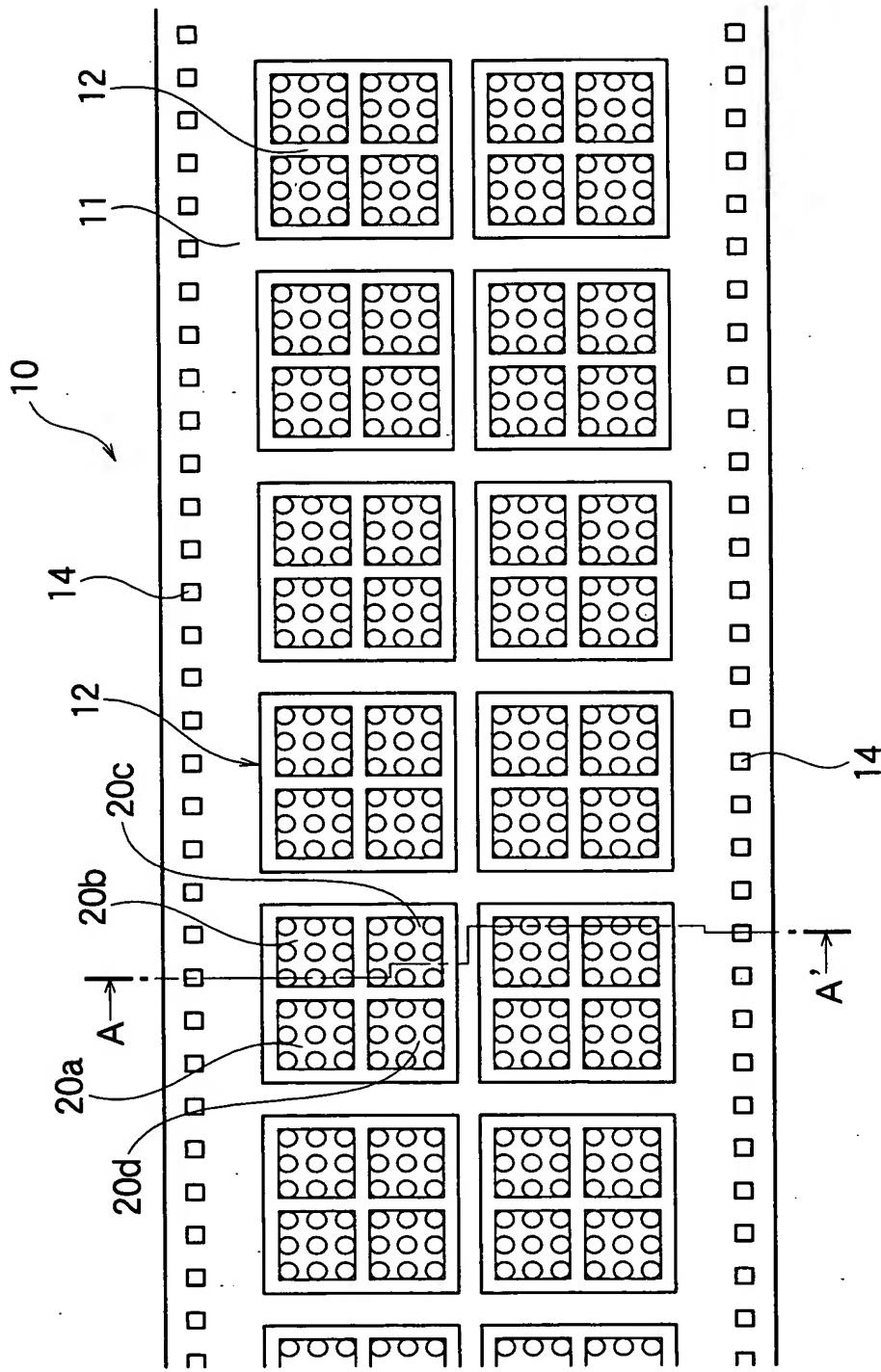


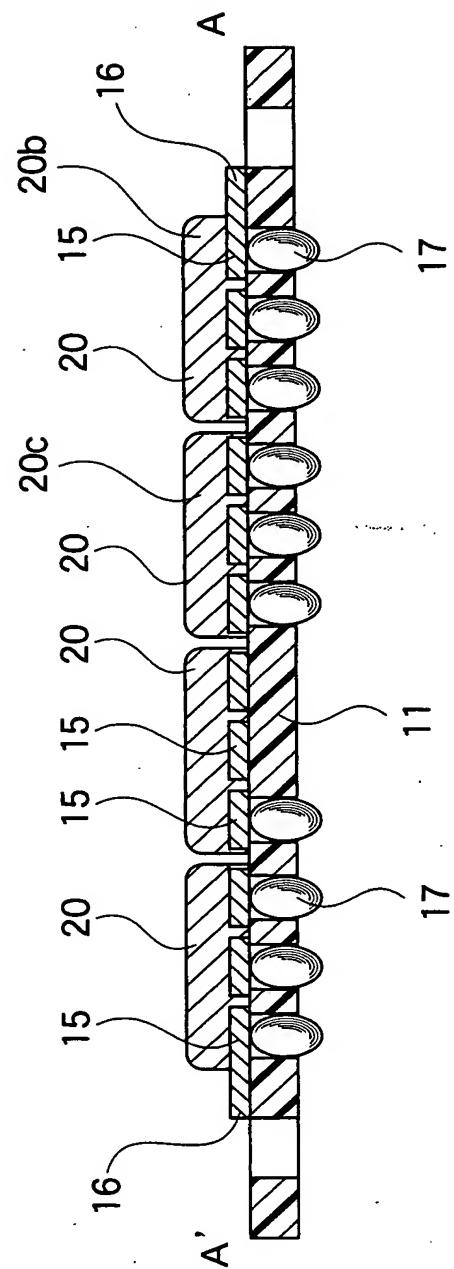
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Fig. 1

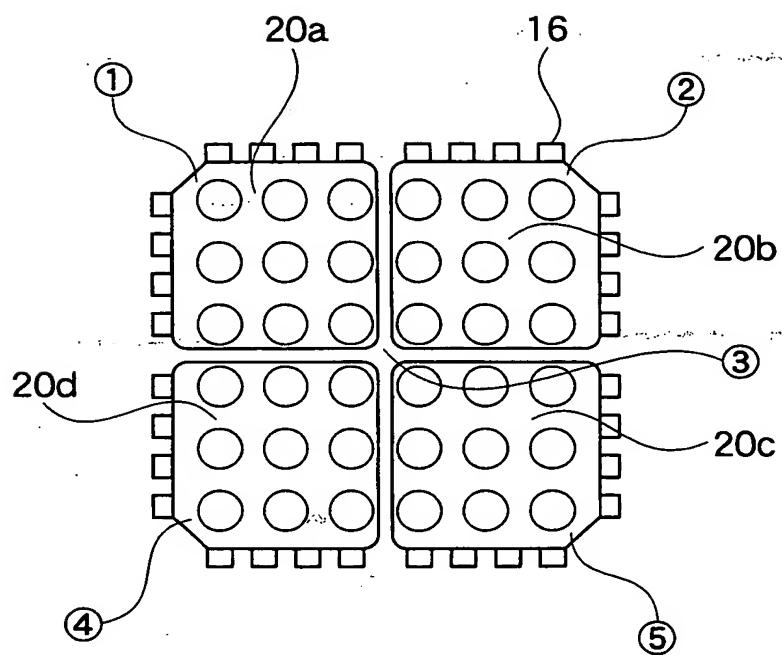


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Fig. 2

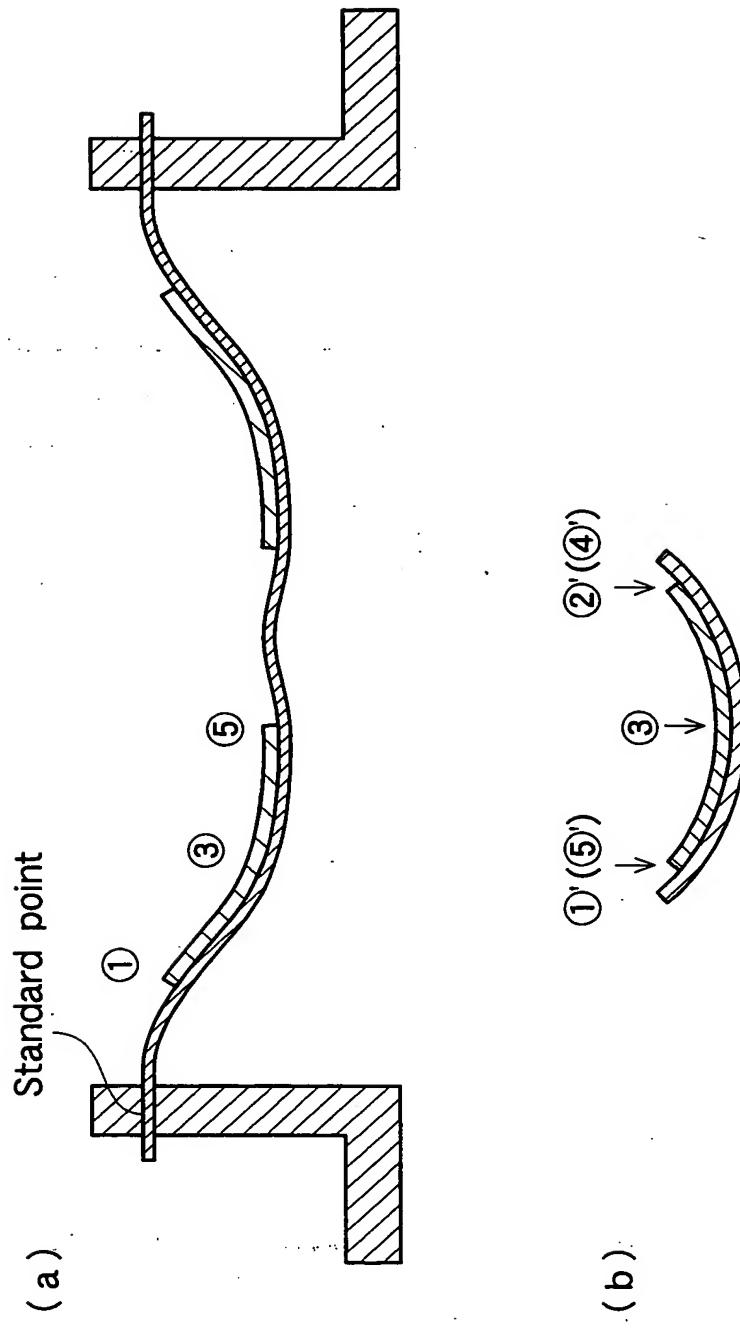


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Fig. 3

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Fig. 4

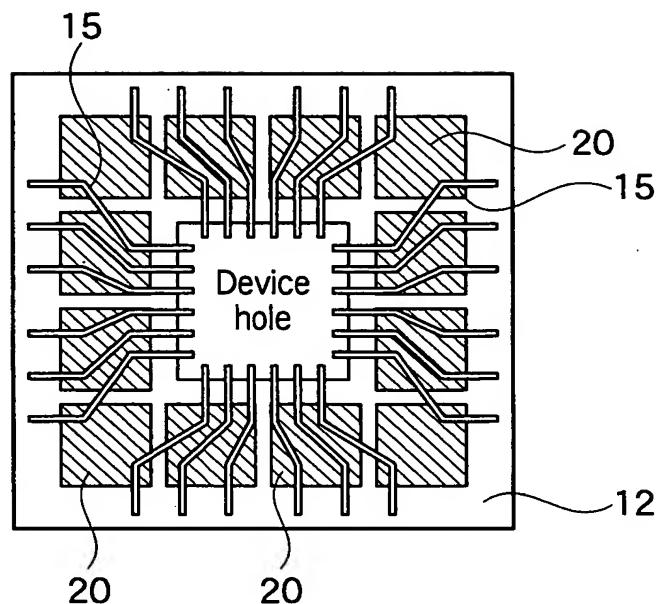


$$\begin{aligned} ①' &= ⑤' = (① + ⑤) / 2 & ②' &= ④' = (② + ④) / 2 \\ \text{Unit warpage} &= \text{largest value selected from values } ①' - ③ \text{ and } ②' - ③ \end{aligned}$$

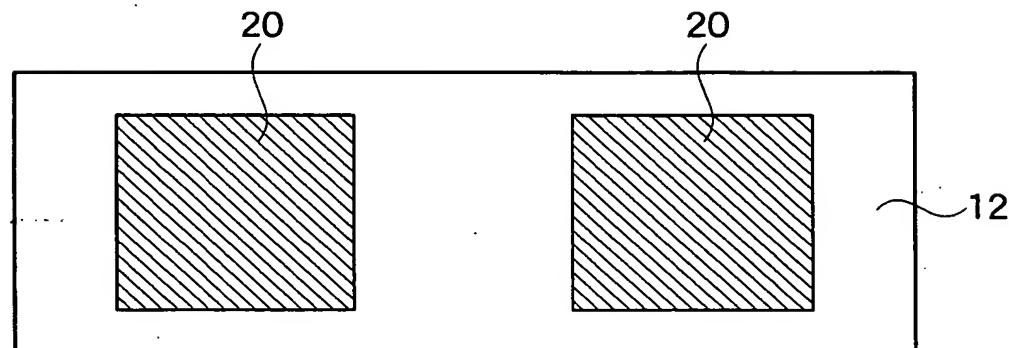
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Fig. 5

(a)



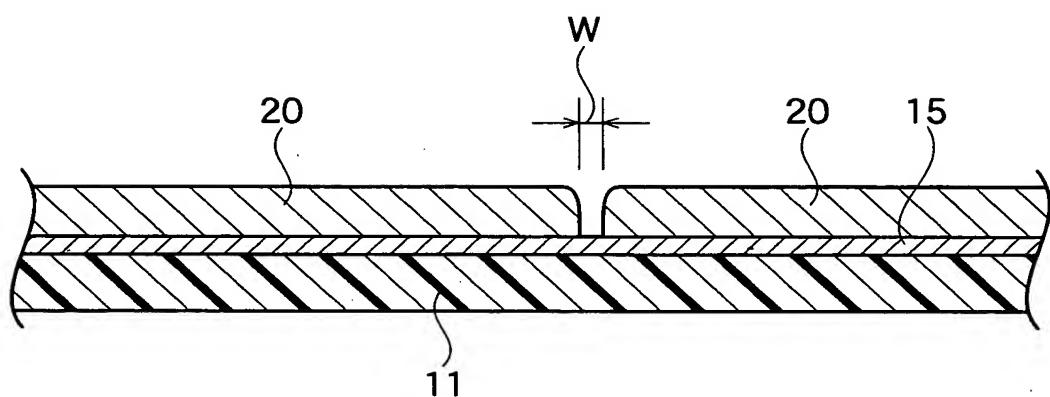
(b)



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Fig. 6

(a)



(b)

